

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



Gerard M. Jensen et al.

Title:

Filed:

LIPOSOMAL FORMULATIONS

Docket No.:

1992.005US1

November 26, 2003

Examiner:

Unknown

Serial No.: 10/723,423

Due Date: N/A

Group Art Unit: 1615

Mail Stop Amendment

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

We are transmitting herewith the following attached items (as indicated with an "X"):

X A return postcard.

X A Supplemental Information Disclosure Statement (2 pgs.), Form 1449 (2 pgs.), and copies of 15 cited documents.

Please charge any additional fees or credit overpayment to Deposit Account No. 19-0743.

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

Customer Number 21186

Atty: Monique M. Perdok Shonka

Reg. No. 42,989

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this <u>b</u> day of January, 2005—

Name

Signature

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

(GENERAL)



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

plicant:

Gerard M. Jensen et al.

Examiner:

Unknown

Serial No.:

10/723,423

Group Art Unit:

1615

Filed:

November 26, 2003

Docket:

1992.005US1

Title:

LIPOSOMAL FORMULATIONS

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 et. seq., the enclosed materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicants respectfully request that this Supplemental Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicants request that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicants with the next official communication.

Pursuant to 37 C.F.R. §1.97(b), it is believed that no fee or statement is required with the Supplemental Information Disclosure Statement. However, if an Office Action on the merits has been mailed, the Commissioner is hereby authorized to charge the required fees to Deposit Account No. 19-0743 in order to have this Supplemental Information Disclosure Statement considered.

Dkt: 1992.005US1

The Examiner is invited to contact the Applicants' Representative at the below-listed telephone number if there are any questions regarding this communication.

The present application is either a U.S. national patent application filed after June 30, 2003 or an international application that entered the national stage under 35 U.S.C. § 371 after June 30, 2003. Thus, Applicant believes that the U.S. Patent & Trademark Office has waived the requirement under 37 C.F.R. 1.98 (a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. patent application publication. The waiver is provided in a pre-OG notice from the U.S. Patent & Trademark Office entitled "Information Disclosure Statements May Be Filed Without Copies of U.S. Patents and Published Applications in Patent Applications filed after June 30, 2003" and dated July 11, 2003. Applicant acknowledges the requirement to submit copies of foreign patent documents and non-patent literature in accordance with 37 C.F.R. 1.98(a)(2).

> Respectfully submitted, GERARD M. JENSEN ET AL.

By their Representatives, SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A. P.O. Box 2938 Minneapolis, MN 55402 (612) 359-3265

Monique M. Perdok Shonka

Reg. No. 42,989

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this _____ day of January, 2005.

NICTIE HER

PTO/SB/08A(10-01)
Approved for use through 10/31/2002, OMB 651-0031
US Pleast & Trademark Office: U.S. DEPARTMENT OF COMMERCE
The Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unriess it contains a valid OMB control number.

Complete if Known Substitute for form 1449A/PTO
INFORMATION DISCLOSURE Complete if Known 10/723,423 **Application Number** STATEMENT BY APPLICANT November 26, 2003 **Filing Date First Named Inventor** Jensen, Gerard 1615 **Group Art Unit** Unknown **Examiner Name** Attorney Docket No: 1992.005US1 Sheet 1 of 2

US PATENT DOCUMENTS				
Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date If Appropriate
	US-4,145,410	03/20/1979	Sears, Barry D.	06/17/1997
	US-4,224,179	09/23/1980	Schneider, Michel	09/23/1980
	US-4,235,871	11/25/1980	Papahadjopoulos, Demetrios P., et al.	02/24/1978
	US-4,522,803	06/11/1985	Lenk, Robert P., et al.	03/24/1983
	US-4,588,578	05/13/1986	Fountain, Michael W., et al.	08/08/1983
	US-4,753,788	06/28/1988	Gamble, Ronald C.	01/31/1985
	US-4,946,683	08/07/1990	Forssen, Eric A.	08/04/1989
	US-5,077,056	12/31/1991	Bally, M. B., et al.	12/12/1988
	US-5,316,771	05/31/1994	Barenholz, Yechezkel, et al.	12/18/1992
	US-5,380,531	01/10/1995	Chakrabarti, Ajoy, et al.	06/02/1992
	US-5,795,589	08/18/1998	Mayer, Lawrence D., et al.	02/05/1997
	US-5,814,335	09/29/1998	Webb, Murray S., et al.	09/17/1997
	US-6,083,530	07/04/2000	Mayer, Lawrence D., et al.	05/26/1998

		FOREIGN PATEN	IT DOCUMENTS	
Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	T ²
	EP-0546951A1	06/16/1993	Ostro, Marc J.	
	EP-0719546A1	07/03/1996	Bally, Marcel B., et al.	
	WO-03041682A3	05/22/2003	Webb, Murray, et al.	
	WO-9913816A2	03/25/1999	Moynihan, Karen L., et al.	

	OTH	ER DOCUMENTS NON PATENT LITERATURE DOCUMENTS	1 _7
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Τ'
		ADLAKHA-HUTCHEON, G., et al., "Controlled destabilization of a liposomal	
		drug delivery system enhances mitoxantrone antitumor activity", Nature	
		Biotechnology, 17(8), (August 1999),775-779	
		BANDAK, S., et al., "Pharmacological studies of cisplatin encapsulated in long-	
		circulating liposomes in mouse tumor models", Anticancer Drugs, 10, (November	
		10, 1999),911-920	
		COLBERN, C. T., et al., "Antitumor activity of Herceptin in combination with	
		STEALTH liposomal cisplatin or nonliposomal cisplatin in a HER2 positive	
		human breast cancer model", Journal of Inorganic Biochemistry, 77(1-2),	
		(October 1999),117-120	<u> </u>
		DEMARIO, M. D., et al., "A Phase I Study of Liposome-Formulated Cisplatin	
		(SPI-77 R) Given Every 3 Weeks in Patients With Advanced Cancer",	
		Proceedings of ASCO, Vol. 17, http://www.asco.org/ac/1,1003,_12-002643-	
		00_18-0031-00_19-006314,00.asp,(1998),Abstract 883	

EXAMINER

DATE CONSIDERED

PTO/SB/084(10-01)
Approved for use through 10/31/2002, OMB 651-0031
US Patent & Trademark Office: U.S. DEPARTMENT OF COMMERCE
on of information unless at contains a valid OMB control number.

Substitute for form 1449A/PTO	Complete if Known	Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application Number	10/723,423		
(Use as many sheets as necessary)	Filing Date	November 26, 2003		
	First Named Inventor	Jensen, Gerard		
	Group Art Unit	1615		
	Examiner Name	Unknown		
Sheet 2 of 2	Attorney Docket No: 1	992.005US1		

	OTHE	ER DOCUMENTS NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the Item (book, magazine, journal, serlal, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		HARRINGTON, K. J., et al., "Phase I-II study of pegylated liposomal cisplatin	
		(SPI-077) in patients with inoperable head and neck cancer", Annals of	
		Oncology, 12(4), (April 2001),493-496	
		HONG, R L., et al., "Direct comparison of liposomal doxorubicin with or without	
Ī		polyethylene glycol coating in C-26 tumor-bearing mice is surface coating with	
		polyethylene glycol beneficial?", Clinical Cancer Research, 5(11), (November	
		1999),3645-3652	
		LIM, H. J., et al., "Influence of drug release characteristics on the therapeutic	
		activity of liposomal mitoxantrone", The Journal of Pharmacology and	
		Experimental Therapeutics, 281(1), (April 1997),566-573	
		MEERUM TERWOGT, J. M., et al., "Phase I and pharmacokinetic study of SPI-	
		77, a liposomal encapsulated dosage form of cisplatin", Cancer Chemotherapy	
		and Pharmacology, 49(3), (March 2002),201-210	ļ
		NEWMAN, M. S., et al., "Comparative pharmacokinetics, tissue distribution, and	
ļ		therapeutic effectiveness of cisplatin encapsulated in long-circulating, pegylated	
		liposomes (SPI-077) in tumor-bearing mice", Cancer Chemotherapy and	
		Pharmacology, 43(1), Erratum in Cancer Chemotherapy and Pharmacology,	
		43(6), 524 (attached to downloaded document),(1999),1-7	-
		VEAL, G. J., et al., "A phase I study in paediatric patients to evaluate the safety	
		and pharmacokinetics of SPI-77, a liposome encapsulated formulation of	
		cisplatin", British Journal of Cancer, 84(8), (April 2001),1029-1035	-
		WORKING, P. K., et al., "Comparative intravenous toxicity of cisplatin solution	
		and cisplatin encapsulated in long-circulating, pegylated liposomes in	
		cynomolgus monkeys", <u>Toxicological Sciences</u> , 46(1), (November 1998),155-165	<u> </u>

EXAMINER DATE CONSIDERED